

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 8/2/99 are:

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink. Color.	— Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
— Color drawings are not acceptable until petition is granted.	9. SCALE. 37 CFR 1.84(k)
Fig(s) _____	— Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
Pencil and non black ink not permitted. Fig(s) _____	Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
— 1 full-tone set is required. Fig(s) _____	— Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
— Photographs may not be mounted. 37 CFR 1.84(e)	Fig(s) _____
— Poor quality (half-tone). Fig(s) _____	11. SHADING. 37 CFR 1.84(m)
3. TYPE OF PAPER. 37 CFR 1.84(c)	— Solid black areas pale. Fig(s) _____
— Paper not flexible, strong, white, and durable.	— Solid black shading not permitted. Fig(s) _____
Fig(s) _____	— Shade lines, pale, rough and blurred. Fig(s) _____
— Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
— Mylar, vellum paper is not acceptable (too thin).	— Numbers and reference characters not plain and legible.
Fig(s) _____	Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	— Figure legends are poor. Fig(s) _____
— 21.0 cm by 29.7 cm (DIN size A4)	— Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
— 21.6 cm by 27.9 cm (8 1/2 x 11 inches)	Fig(s) _____
— All drawing sheets not the same size.	— English alphabet not used. 37 CFR 1.84(p)(2)
Sheet(s) _____	Fig(s) _____
— Drawings sheets not an acceptable size. Fig(s) _____	— Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	Fig(s) _____
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size	13. LEAD LINES. 37 CFR 1.84(g)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11	— Lead lines cross each other. Fig(s) _____
Margins not acceptable. Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F</u>	— Lead lines missing. Fig(s) _____
— Top (T) <u>1A</u> Left (L) <u>1B</u> Right (R) <u>1C</u> Bottom (B) <u>1D</u>	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)
6. VIEWS. 37 CFR 1.84(h)	— Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
REMINDER: Specification may require revision to correspond to drawing changes.	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Partial views. 37 CFR 1.84(h)(2)	— Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
— Brackets needed to show figure as one entity.	16. CORRECTIONS. 37 CFR 1.84(w)
Fig(s) _____	— Corrections not made from prior PTO-948 dated _____
— Views not labeled separately or properly.	17. DESIGN DRAWINGS. 37 CFR 1.152
Fig(s) _____	— Surface shading shown not appropriate. Fig(s) _____
— Enlarged view not labeled separately or properly.	— Solid black shading not used for color contrast.
Fig(s) _____	Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)	
— Hatching not indicated for sectional portions of an object.	
Fig(s) _____	
— Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	

COMMENTS

- Figures must be numbered as Fig. 1A, 1B, 1C, 1D, 1E, 1F
 - Borderline obj. Fig. 1A - 1F

REVIEWER JDATE 9/19/02TELEPHONE NO. 308-0011ATTACHMENT TO PAPER NO.

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 Fig(s) _____

Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84 (b)
 1 full-tone set is required. Fig(s) _____

Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____

Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)
 Paper not flexible, strong, white, and durable.
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4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
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 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawing sheets not the same size.
 Sheet(s) _____
 Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
 Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
 SIZE: A4 Size
 Top 2.5cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: 8 1/2 x 11, ~~height~~ width and height
 Margins not acceptable. Fig(s) _____
 Top (T) _____ Left (L) _____
 Right (R) _____ Bottom (B) _____

6. VIEWS. 37 CFR 1.84(h)
 REMINDER: Specification may require revision to correspond to drawing changes.
 Partial views. 37 CFR 1.84(h)(2)
 Brackets needed to show figure as one entity.
 Fig(s) _____
 Views not labeled separately or properly.
 Fig(s) _____
 Enlarged view not labeled separately or properly.
 Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
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 Fig(s) _____
 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
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9. SCALE. 37 CFR 1.84(k)
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 Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS.
 37 CFR 1.84(i)
 Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
 Fig(s) 2A-2C

11. SHADING. 37 CFR 1.84(m)
 Solid black areas pale. Fig(s) _____
 Solid black shading not permitted. Fig(s) _____
 Shade lines, pale, rough and blurred. Fig(s) 2A-2C

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
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 Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)
 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
 Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
 Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)
 Corrections not made from prior PTO-948 dated.

17. DESIGN DRAWINGS. 37 CFR 1.152
 Surface shading shown not appropriate. Fig(s) _____
 Solid black shading not used for color contrast.
 Fig(s) _____

COMMENTS

REVIEWER S. FieldDATE 12/29/99

TELEPHONE NO.

703 305-8335ATTACHMENT TO PAPER NO. 7